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PTO/SB/01 (08-03)

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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**Declaration  
Submitted  
With Initial  
Filing

OR

Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney Docket Number

023P2702

First Named Inventor

SCHIE ET AL.

COMPLETE IF KNOWN

Application Number

10/646,450

Filing Date

08-22-2003

Art Unit

Examiner Name

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

OPTIMAL CONTROL OF WIDE CONVERSION RATIO SWITCHING CONVERTERS

(Title of the Invention)

the specification of which



is attached hereto

OR



was filed on (MM/DD/YYYY)

08-22-2003

as United States Application Number or PCT International

Application Number

and was amended on (MM/DD/YYYY)

(if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				Yes	No
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

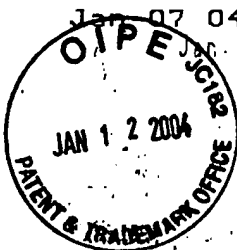
(Page 1 of 2)

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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JAN 6 2004 4:14PM

No.8381 P. 3



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## DECLARATION Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label **23504** OR ☐ Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any)) **David Chalmers**

Family Name or Surname **Schie**

Inventor's Signature

Date **1/7/04**

Residence: City **Cupertino**

State **CA**

Country **USA**

Citizenship **Canada**

Mailing Address **22600 Ricardo Road**

City **Cupertino**

State **CA**

ZIP **95014**

Country **USA**

NAME OF SECOND INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any)) **Alexander**

Family Name or Surname **Mednik**

Inventor's Signature

Date **1/7/04**

Residence: City **Campbell**

State **CA**

Country **USA**

Citizenship **USA**

Mailing Address **4148 Keith Drive**

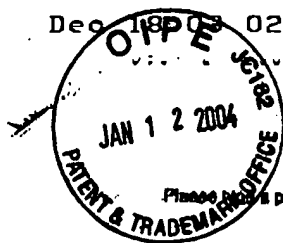
City **Campbell**

State **CA**

ZIP **95008**

Country **USA**

☒ Additional inventors are being named on the \_\_\_\_\_ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please print and sign (+) inside this box → ☒

PTO/SB/03A (3-97)  
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## DECLARATION

ADDITIONAL INVENTOR(S)  
 Supplemental Sheet  
 Page 1 of 12

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
James Hung		Nguyen					
Inventor's Signature						Date	
Residence: City	San Jose	State	CA	Country	USA	Citizenship	USA
Post Office Address	2474 Glen Duff Way						
Post Office Address							
City	San Jose	State	CA	ZIP	95148	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Sang Ton		Ngo					
Inventor's Signature						Date	12/17/03
Residence: City	San Jose Supertex	State	CA	Country	USA	Citizenship	USA
Post Office Address	<del>559 Miller Avenue</del> 3388 COLONNA AVE.						
Post Office Address							
City	San Jose Supertex	State	CA	ZIP	<del>95148</del> 95014	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))		Family Name or Surname					
Khai Minh		Le					
Inventor's Signature						Date	12/03/03
Residence: City	Saratoga	State	CA	Country	USA	Citizenship	Germany
Post Office Address	20718 Prospect Road						
Post Office Address							
City	Saratoga	State	FL	ZIP	95070	Country	USA

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → ☐

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PTO/GB/02A (3-97)  
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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 12

PLEASE SIGN  
& DATE

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
James Hung				Nguyen			
Inventor's Signature	<i>James Nguyen</i>					Date	12/11/03
Residence: City	San Jose	State	CA	Country	USA	Citizenship	USA
Post Office Address	2474 Glen Duff Way						
Post Office Address							
City	San Jose	State	CA	ZIP	95148	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Sang Ton				Ngo			
Inventor's Signature						Date	
Residence: City	Cupertino	State	CA	Country	USA	Citizenship	USA
Post Office Address	959 Miller Avenue						
Post Office Address							
City	Cupertino	State	CA	ZIP	95014	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle (if any))				Family Name or Surname			
Khai Minh				Le			
Inventor's Signature	<i>Khai Minh</i>					Date	12/03/03
Residence: City	Saratoga	State	CA	Country	USA	Citizenship	Germany
Post Office Address	20718 Prospect Road						
Post Office Address							
City	Saratoga	State	FL	ZIP	95070	Country	USA

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 22

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle (if any))				Family Name or Surname				
Wei				Gu				
Inventor's Signature				Date				
Residence: City		San Jose	State	CA	Country	USA	Citizenship	China
Post Office Address		4348 Renaissance Drive, Apt. 124						
Post Office Address								
City		San Jose	State	CA	ZIP		Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle (if any))				Family Name or Surname				
LADISLAS G.				Kerényi, Jr.				
Inventor's Signature		L. G. Kerényi Jr.		Date		12/18/2003		
Residence: City		WHITE PLAINS	State	NY	Country	U.S.A.	Citizenship	U.S.A.
Post Office Address		12 ROLAND DRIVE						
Post Office Address								
City		WHITE PLAINS	State	NY	ZIP	10605	Country	U.S.A.
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor				
Given Name (first and middle (if any))				Family Name or Surname				
Inventor's Signature				Date				
Residence: City			State		Country		Citizenship	
Post Office Address								
Post Office Address								
City			State		ZIP		Country	

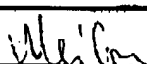
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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 2 of 22

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Wei				Gu			
Inventor's Signature				Date	12/17/03		
Residence: City	San Jose	State	CA	Country	USA	Citizenship	China
Post Office Address 4348 Renaissance Drive, Apt. 124							
Post Office Address							
City	San Jose	State	CA	ZIP		Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Larry				Kerényi			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))				Family Name or Surname			
Inventor's Signature				Date			
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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## ASSIGNMENT AGREEMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, We, **David Chalmers Schie, Alexandria Mednik, James Hung Nguyen, Sang Ton Ngo, Khai Minh Le, Wei Gu and Ladislav G. Kerenyi, Jr.**, have sold, assigned and transferred and do hereby sell, assign and transfer unto **SUPERTEX, INC.**, and its successors, assigns and legal representatives, the entire right, title and interest for the United States of America in and to certain inventions relating to improvements in "**OPTIMAL CONTROL OF WIDE CONVERSION RATIO SWITCHING CONVERTERS**" described, illustrated and claimed in an application for Letters Patent of the United States of America, executed by us of even date herewith, together with the entire right, title and interest in and to said application, and in and to Letters Patent which may be issued upon said application, and upon any division, extension, continuation or reissue thereof.

We also hereby sell, assign and transfer unto the said **SUPERTEX, INC.**, the entire right, title and interest in and to said invention and in and to applications for Letters Patent therefor in all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of said inventions and said applications for Letters Patent in foreign countries, and we further authorize the said **SUPERTEX, INC.**, to apply for Letters Patent in foreign countries directly in its own name, and to claim the priority of the filing date of the said application for Letters Patent of the United



the provisions of any and all international conventions and treaties.

We hereby authorize and request the Assistant Commissioner of Patents of the United States of America to issue any and all U.S. Patents upon the application, division, extension, continuation or reissue, to **SUPERTEX, INC.**, for the sole use and behoof of **SUPERTEX, INC.**, its successors, assigns and legal representatives, for the full term for which the U.S. Patent may be granted, the same as would have been held and enjoyed by us had this assignment not been made. We hereby authorize and request the equivalent authorities in foreign countries to issue the Patents of their respective countries to **SUPERTEX, INC.**

We agree that, when requested, we will, without charge to **SUPERTEX, INC.**, but at its expense, sign all papers take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining Patents for said inventions in all countries and for vesting title thereto in **SUPERTEX, INC.**, its successors, assigns and legal representatives.

We covenant with **SUPERTEX, INC.**, its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

Dated: Dec. 3/63

David Chalmers Schie

Dated: 12/14/03

Alexander Mednik  
Alexander Mednik

Dated: \_\_\_\_\_

James Hung Nguyen

Dated: \_\_\_\_\_

Sang Ton Ngo

Dated: \_\_\_\_\_

Khai Minh Le

Dated: \_\_\_\_\_

Wei Gu

Dated: 12/18/2003

L. H. Kerényi  
~~Larry Kerényi~~  
LADISLAS G. KERENYI, JR.

**SIGN  
& DATE**

Dated: 12/3/03

Alexander Mednik  
Alexander Mednik

Dated: \_\_\_\_\_

James Hung Nguyen

Dated: 12/17/03

Sang Ton Ngo

Dated: 12/03/03

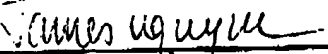
Khai Minh Le

Dated: \_\_\_\_\_

Wei Gu


Dated: \_\_\_\_\_

Larry Kerenyi

Dated: 12/3/03  
Alexander Mednik**PLEASE SIGN  
& DATE**Dated: 12/14/2003  
James Hung Nguyen

Dated: \_\_\_\_\_

Sang Ton Ngo

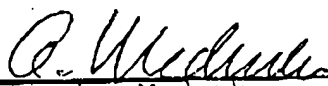
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Dated: \_\_\_\_\_

Larry Kerenyi


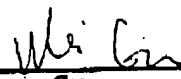
Dated: 12/3/03  
Alexander Mednik

Dated: \_\_\_\_\_

James Hung Nguyen

Dated: \_\_\_\_\_

Sang Ton Ngo

Dated: 12/03/03  
Khai Minh LeDated: 12/12/03  
Wei Gu

Dated: \_\_\_\_\_

Larry Kerenyi